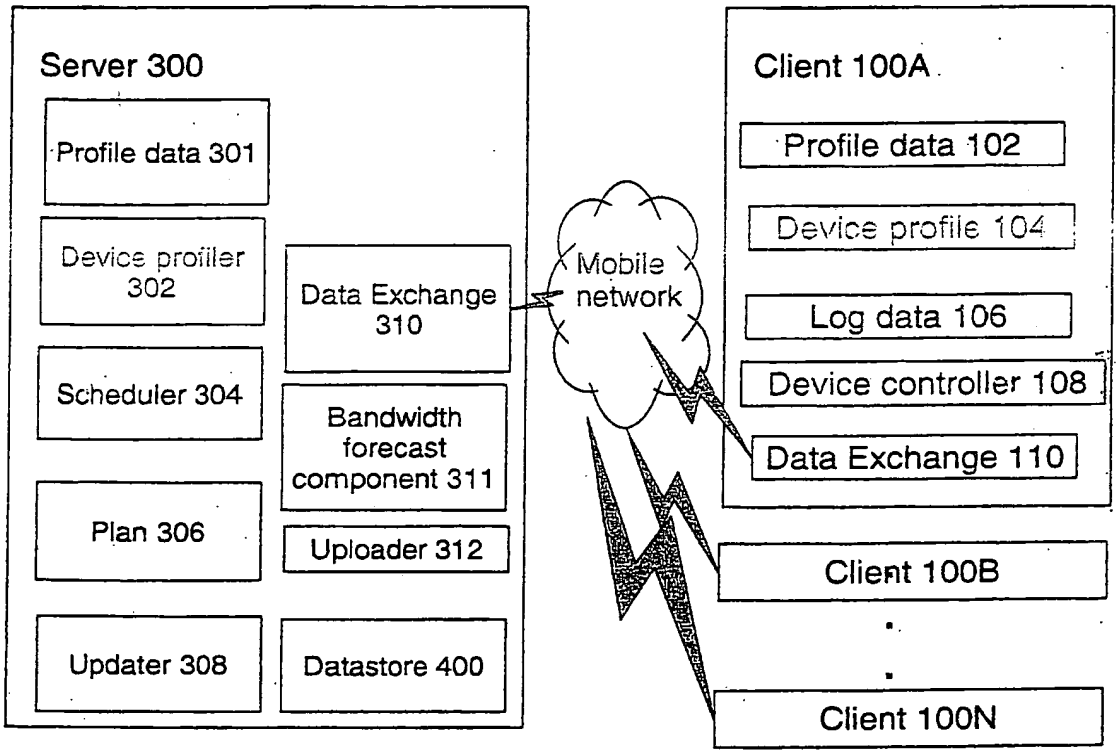
Server 300
Profile data 301
Device profiler 302
Scheduler 304
Plan 306
Updater 308
Data Exchange 310
Bandwidth forecast component 311
Uploader 312
Datastore 400
Mobile network
Client 100A
Profile data 102
Device profile 104
Log data 106
Device controller 108
Data Exchange 110
Client 100B
Client 100N

Figure1

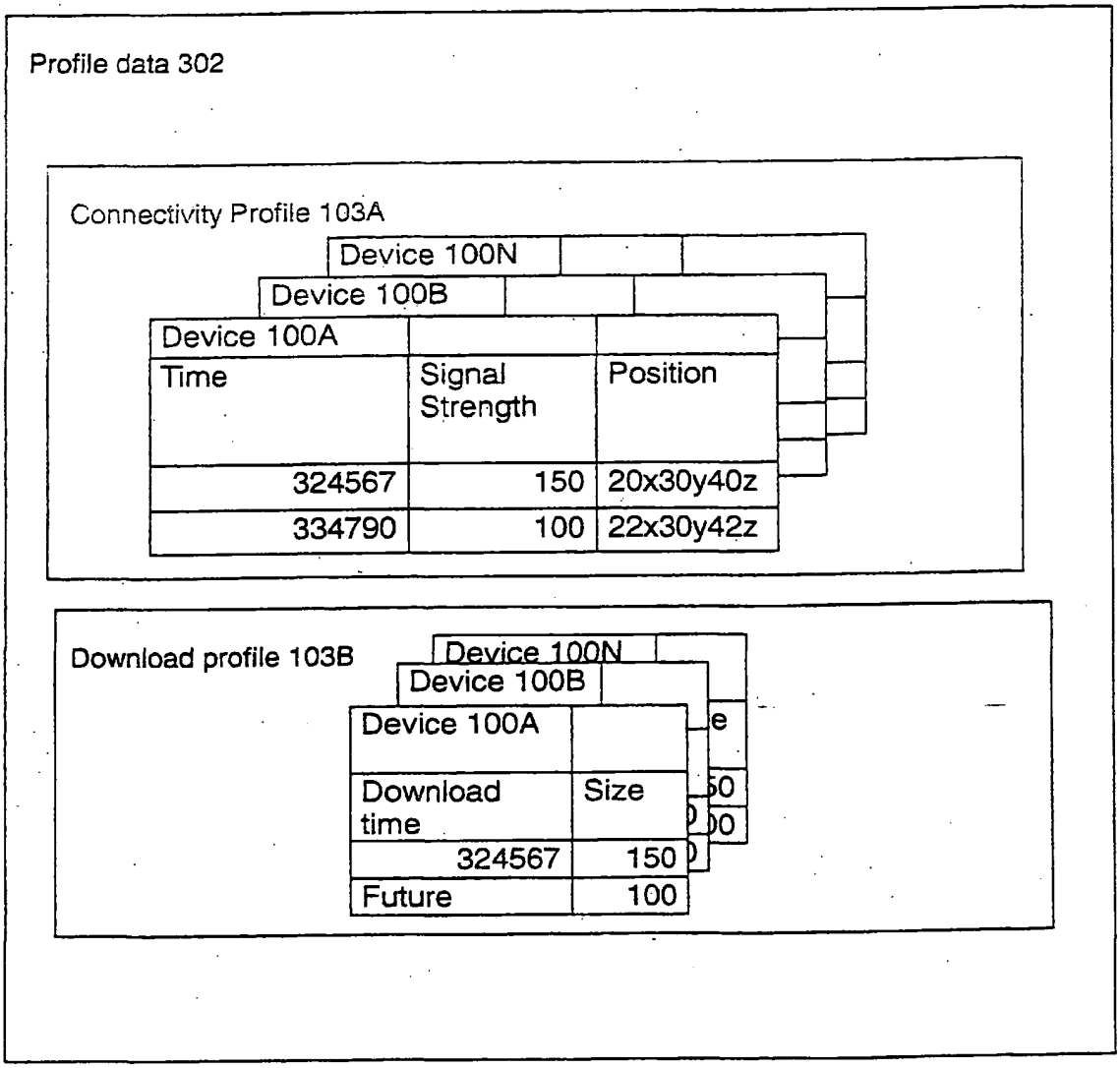
Profile data 302
Connectivity Profile 103A
Device 100N
Device 100B
Device 100A
Time
Signal Strength
Position
324567
150
20x30y40z
334790
100
22x30y42z
Download profile 103B
Device 100N
Device 100B
Device 100A
Download time
Size
324567
150
Future
100

Figure 2

Plan 306

Scheduled Time2	Device	Scheduled download size
17:20-17:21	100A	5k
17:21-17:23	100B	10k
17:23-17:26	100C	15k

Figure 3

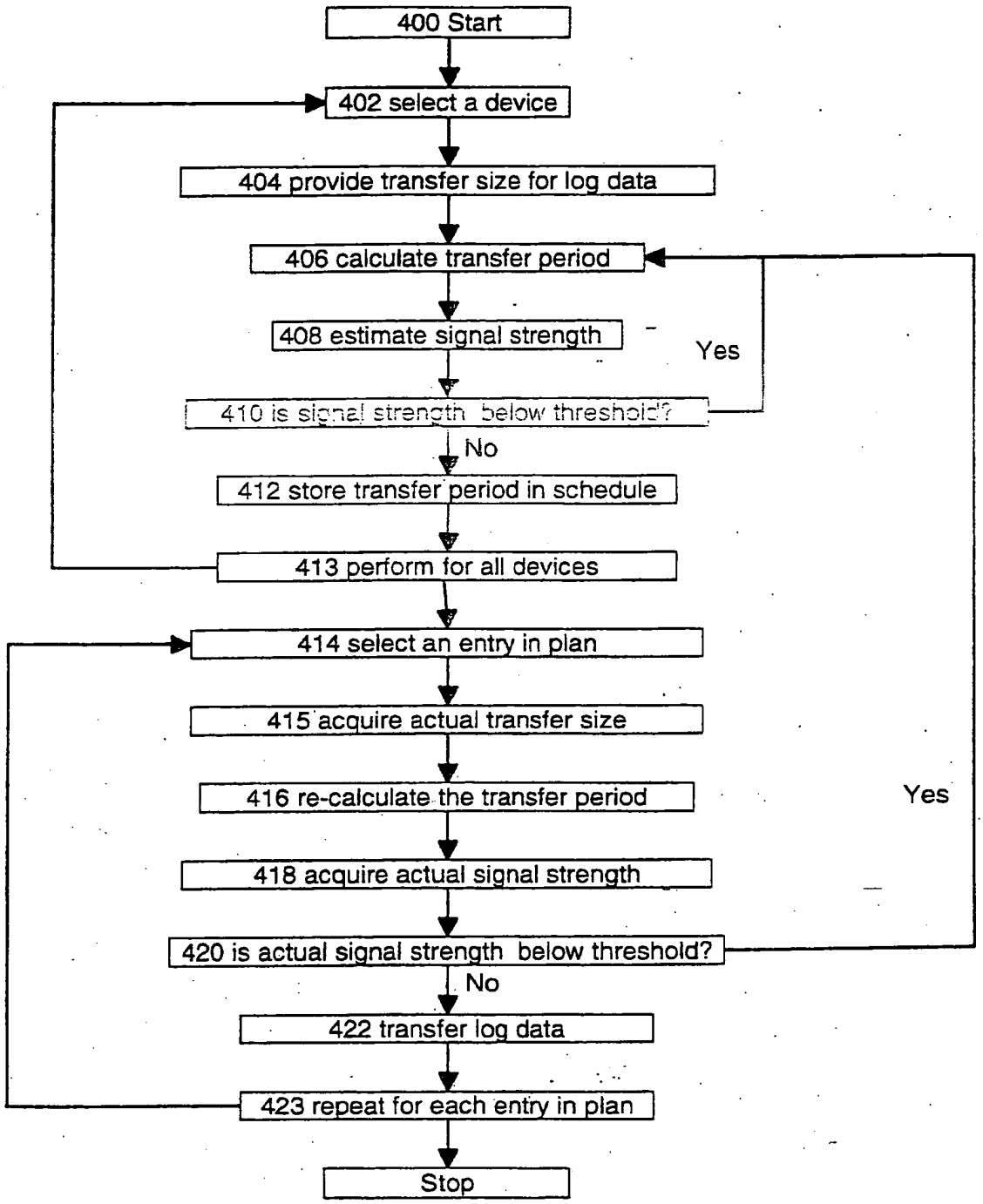
400 Start
402 select a device
404 provide transfer size for log data
406 calculate transfer period
408 estimate signal strength
410 is signal strength below threshold?
Yes
No
412 store transfer period in schedule
413 perform for all devices
414 select an entry in plan
415 acquire actual transfer size
416 re-calculate the transfer period
418 acquire actual signal strength
420 is actual signal strength below threshold?
Yes
No
422 transfer log data
423 repeat for each entry in plan
Stop

Figure 4